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or more loader modules;

1. In a device having one or more applications, a method for compiling electronic program guide (EPG) data from multiple EPG data sources, the method comprising the steps of:

receiving EPG data at one or more loader modules at the device, the loader modules causing the EPG data from each of the multiple EPG data sources to be

compatible with the device and the one or more applications;
collecting, by a writer module at the device, the EPG data received by the one

scaling, by the writer module, the EPG data according to factors provided by a user; and

writing, by the writer module, at least a portion of the scaled EPG data to a storage associated with the device.

- 2. A method as defined in claim 1, wherein the writer module implements conflict resolution for the one or more loader modules.
- 3. A method as defined in claim 1, wherein the one or more loader modules follow a priority scheme.
- 4. A method as defined in claim 1, wherein the step of collecting the EPG data further comprises the step of formatting the EPG data.

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1 A method as defined in claim 1, wherein the step of scaling the EPG data 2 further comprises the step of scaling the EPG data according to at least one of the factors of: 3 time; language; richness; channels, and services. 4 5 6. A\method as defined in claim 4, wherein the step of writing the EPG data 6 further comprises the step of enforcing at least one of the factors of: time; language; 7 richness; channels, and services. 8 9 7. A method as defined in claim 1, wherein the step of writing the EPG data 10 further comprises the step of limiting the amount of the EPG data that may be placed in the 11 storage. 12 13 8. A method as defined in claim 1, wherein the step of writing the EPG data further comprises the step of removing expired EPG data from the storage. 14 15

- A method as defined in claim 1, wherein the step of writing the EPG data 9. further comprises the step of keeping the last APG data stored to a particular portion of the storage.
 - 10. A method as defined in claim 1, wherein the storage is a database.
- A method as defined in claim 1, further comprising the step of accessing, for 11. the one or more applications, the EPG data in the storage by a controller.

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A method as defined in claim 1, further comprising the step of recording EPG 12. data with digital recordings of programming associated represented by the EPG data.

13. In a device capable of storing electronic program guide (EPG) data from multiple EPG data sources, a method for collecting the EPG data from the multiple EPG data sources, the method comprising the steps of:

installing an EPG loader module for each of the multiple EPG data sources at the device;

receiving, at each EPG loader, the EPG data provided by each of the multiple EPG data sources;

writing, by a writer module, at least a portion of the EPG data received by the EPG loader modules to a storage associated with the device; and

processing the EPG data received from the multiple EPG data sources according to factors provided by a user.

- 14. A method as defined in claim 13, further comprising the step of implementing, by the writer module, conflict resolution for the EPG data collected by the EPG loader modules.
- 15. A method as defined in claim 13, wherein the step of receiving further comprises the step of reformatting the EPG data.
- 16. A method as defined in claim 13, wherein the step of processing further comprises the step of scaling the EPG data.

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1 A method as defined in claim 14, wherein the step of processing further 2 comprises the step of scaling the EPG data according to at least one of the factors of: time; 3 richness; language; channel, and services. 4 5 18. 6 7 channels, and services. 8 9 19. 10 capable of being added to the device and removed from the device. 11 12 20. 13 14 21. 15 16 be placed in the storage. 17 18 22. 19 comprises the step of removing expired EPG data from the storage. 20 21 23. 22 23

the the the

A method as defined in claim 13, wherein the storage is a database. 24. 25. 26.

A method as defined in claim 13, further comprising the step of accessing, by a controller module, the EPO data stored in the storage for one or more applications. A method as defined in claim 13, further comprising the step of recording the EPG data with digital recordings of the programming represented by the EPG data.

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'	2 7.	In a device capable of receiving electronic program guide (EPG) data from
one or	more	EPG data sources including a digital recording, a method of accessing the EPG
data, th	ie met	hod comprising the steps of:

storing the EPG data received from the one or more EPG data sources in a database accessible by the device;

reading the EPG data in the database by a control module operating at the device; and

transferring the EPG data, by the control module, from the database to one or more applications operating at the device.

28. A method as defined in claim 27 wherein the step of storing further comprises the steps of:

receiving the EPG data from the one or more EPG data sources by one or more loader modules operating at the device;

collecting the EPG data from the one or more loader modules by a writer module operating at the device;

formatting the EPG data by the vriter module;

scaling the EPG data by the writer module; and

writing the EPG data to the database by the writer module.

29. A method as defined in claim 27 wherein the writer module is an application program interface capable of interfacing with the loader modules.

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30. A method as defined in claim 27 wherein the step of reading the EPG data further comprises the step of accessing the EPG data by the control module.

- 31. A method as defined in claim 27, wherein the control module is an application program interface capable of interfacing with the one or more applications.
- 32. A method as defined in claim 27, wherein an instance of the control module is created for each of the one or more applications receiving EPG data from the database.
 - 33. A method as defined in claim 27, further comprising the steps of: receiving a notification that the EPG data has changed; and updating the accessed EPG data by the one or more applications.

In a device capable of receiving electronic program guide (EPG) data from 2 multiple ERG data sources, a method for configuring the EPG data, the method comprising 3 the steps of: 4 selecting one or more of the multiple EPG data sources from which EPG data 5 will be collected; 6 deselecting one or more of the multiple EPG data sources from which EPG 7 data will not be collected; 8 receiving EAG data from the one or more selected EPG data sources at one or 9 more loader modules corresponding to the one or more selected EPG data sources 10 operating at the device; 11 collecting the EPG data from the one or more loader modules; and 12 scaling the EPG data collected by the one or more loader modules at a writer 13 module operating at the device 14 A method as defined in claim 34, further comprising the step of writing at 35. 15 least a portion of the scaled EPG data to a database associated with the device by the writer 16 module. 17 18 36. A method as defined in claim 34 further comprising the step of formatting at 19 least a portion of the EPG data. 20 21 37. A method as defined in claim 34, wherein the step of scaling further 22 comprises at least one of the steps of: 23 scaling the EPG data by time; 24 - Page 32 -

	ı	\scaling the EPG data by language;				
	2	scaling the EPG data by richness;				
	3	scaling the EPG data by channel; and				
	4	scaling the EPG data by service.				
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	6	38. A method as defined in claim 37, wherein the step of scaling comprises the				
	7	step of scaling the EPG data by time, which includes the step of identifying one or more				
	8	time periods.				
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	10	39. A method as defined in claim 37, wherein the step of scaling comprises the				
	11	step of scaling the EPG data by richness, which includes the step of identifying the amount				
	12	of EPG data to be stored for at least one of the categories of titles; descriptions; attributes;				
	properties; reviews; ratings; channel; service, length; and other categories defined by a user.					
	14					
	15	40. A method as defined in claim 37, wherein the step scaling comprises the step				
	16	of scaling the EPG data by channel, which includes at least one of the steps of:				
4111	17	identifying at least one channel for inclusion in the EPG data;				
SALT LAKE CITY, UTAH 841	18	identifying at least one channel as a favorite channel; and				
	19	identifying at least one channel for exclusion from the EPG data.				
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	2	A computer program product for implementing, in a device capable of storing
	3	electronic program guide (EPG) data, a method for compiling EPG data from one or more
	4	EPG data sources, the computer program product comprising:
	5	a computer readable medium carrying computer executable instructions for
	6	implementing the method, wherein the computer executable instructions comprise:
	7	one or more loader modules for receiving EPG data from the one or
	8	more EPG data sources; and
	9	a writer module for:
	10	collecting the EPG data received by the one or more loader
	11	modules; and
	12	storing the collected EPG data at the device.
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	14	42. A computer program product as defined in claim 41, wherein the computer
	15	executable instructions comprise program code means for:
	16	formatting the collected EPG data; and
Ξ	17	scaling the collected EPG data by at least one of the factors of: time,
SALT LAKE CITY, UTAH 841	18	language, richness and channel.
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\43. A	A computer pro	ogram product	for impleme	enting, in a	device	capable of
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receiving electi	onic program s	guide (EPG) d	ata from one	or more E	EPG data	sources, a
method for retr	ieving EPG dat	a from a datab	ase associate	d with the c	device, the	e computer
program produc	ct comprising:					

a computer readable medium carrying computer executable instructions for implementing the method, wherein the computer executable instructions comprise:

a writer module storing the EPG data received from the one or more EPG data sources in the database; and

a control module for:

reading the EPG data stored in the database; and transferring the EPG data from the database to one or more applications operating at the device.

A computer program product as in claim 43, wherein: 44.

the computer executable instructions further comprise one or more loader modules for receiving the EPG data from the one or more EPG data sources; and the writer module further operates to:

collect the EPG data from the one or more loader modules;

format the EPG data; and

scale the EPG data according to at least one of the factors of: time, language, richness, and channel.



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